Department of the Air Force

Military Construction and Family Housing Program

Fiscal Year (FY) 2001 Budget Estimates

Justification Data Submitted to Congress
February 2000

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Fiscal Year (FY) 2001
President's Budget

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Unspecified Minor Construction

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONST COST INDEX
VARIOUS LOCATIONS		0.00

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 99										
b. End FY 2005										

7. INVENTORY DATA ($000)

a. Total Acreage: (0)	
b. Inventory Total As Of: (30 SEP 99)	0
c. Authorization Not Yet In Inventory:	0
d. Authorization Requested In This Program:	64,087
e. Authorization Included In Following Program: (FY 2002)	41,593
f. Planned In Next Three Program Years:	169,316
g. Remaining Deficiency:	0
h. Grand Total:	274,996

8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS CMPL
010-211	PLANNING AND DESIGN	LS	54,237	00	00
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS	9,850	00	00
		TOTAL:	64,087		

9a. Future Projects: Included in the Following Program (FY 2002)

010-211	PLANNING AND DESIGN	LS	31,748
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS	9,845
		TOTAL:	41,593

9b. Future Projects: Typical Planned Next Three Years:

010-211	PLANNING AND DESIGN	LS	43,032
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS	9,897
010-211	PLANNING AND DESIGN	LS	47,574
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS	9,949
010-211	PLANNING AND DESIGN	LS	48,867
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS	9,997

11. Outstanding pollution and safety (OSHA) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0
d. Other Environmental:	0

12. Real Property Maintenance Backlog This Installation 0

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
VARIOUS LOCATIONS	UNSPECIFIED MINOR CONSTRUCTION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
9.12.11	010-211	PAYZ010002	9,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNSPECIFIED MINOR CONSTRUCTION	LS			9,850
SUBTOTAL				9,850
TOTAL CONTRACT COST				9,850
TOTAL REQUEST				9,850
TOTAL REQUEST (ROUNDED)				9,850

10. Description of Proposed Construction: Provide a lump sum amount for unspecified construction projects not otherwise authorized by law. Minor construction projects costing less than these limits are authorized to be funded from the operations and maintenance appropriation. Includes construction, alteration, or conversion of permanent or temporary facilities.

11. REQUIREMENT: As required.

REQUIREMENT: Minor construction projects authorized by 10 U. S. Code 2805 are military construction projects with an estimated funded cost between $500,000 and $1,500,000; however projects with an estimated funded cost of $1,000,000 to $3,000,000 may be funded under this authority when specifically planned to correct a life, health or safety deficiency. This package provides a means of accomplishing urgent projects that are not identified but which are anticipated to arise during FY01. Included would be projects to support new mission requirements, support of new equipment and concepts, and other essential support to Air Force missions and functions that could not wait until availability of FY02 Military Construction Program funds.

Planning and Design

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONST COST INDEX
VARIOUS LOCATIONS		0.00

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 99										
b. End FY 2005										

7. INVENTORY DATA ($000)

a. Total Acreage: (0)	
b. Inventory Total As Of: (30 SEP 99)	0
c. Authorization Not Yet In Inventory:	0
d. Authorization Requested In This Program:	64,087
e. Authorization Included In Following Program: (FY 2002)	41,593
f. Planned In Next Three Program Years:	169,316
g. Remaining Deficiency:	0
h. Grand Total:	274,996

8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS CMPL
010-211	PLANNING AND DESIGN	LS	54,237	00	00
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS	9,850	00	00
		TOTAL:	64,087		

9a. Future Projects: Included in the Following Program (FY 2002)

010-211	PLANNING AND DESIGN	LS	31,748
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS	9,845
	TOTAL:		41,593

9b. Future Projects: Typical Planned Next Three Years:

010-211	PLANNING AND DESIGN	LS	43,032
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS	9,897
010-211	PLANNING AND DESIGN	LS	47,574
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS	9,949
010-211	PLANNING AND DESIGN	LS	48,867
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS	9,997

11. Outstanding pollution and safety (OSHA) deficiencies:

a. Air pollution:	0
b. Water pollution:	0
c. Occupational safety and health:	0
d. Other Environmental:	0

12. Real Property Maintenance Backlog This Installation 0

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
VARIOUS LOCATIONS	PLANNING AND DESIGN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
9.12.11	010-211	PAYZ010001	54,237

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PLANNING AND DESIGN	LS			54,237
PLANNING AND DESIGN	LS			(54,237)
SUBTOTAL				54,237
TOTAL CONTRACT COST				54,237
TOTAL REQUEST				54,237
TOTAL REQUEST (ROUNDED)				54,237

10. Description of Proposed Construction: The funds requested will be used to provide financing for architectural and engineering services and construction design for Air Force Military Construction and host nation funded construction programs.

11. REQUIREMENT: As required.

REQUIREMENT: These planning and design funds are required to complete the design of facilities in the FY02 Military Construction Program, initiate design of facilities in the FY03 Military Construction Program and accomplish planning and design for major and complex technical projects with a long lead-time to be included in subsequent Military Construction Programs. Also provides funds for value engineering and for the support of design and construction management of projects that are funded by foreign governments and for design of classified and special programs.

Working Capital Funds Construction Projects

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONST COST INDEX
TINKER AIR FORCE BASE, OKLAHOMA	AIR FORCE MATERIEL COMMAND	0.86

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99	1081	5076	13707					851	620	21,335
b. End FY 2005	1097	5045	14257					851	620	21,870

7. INVENTORY DATA ($000)

a. Total Acreage: (4,886)	
b. Inventory Total As Of: (30 SEP 99)	8,338,950
c. Authorization Not Yet In Inventory:	0
d. Authorization Requested In This Program:	18,180
e. Authorization Included In Following Program: (FY 2002)	17,300
f. Planned In Next Three Program Years:	45,300
g. Remaining Deficiency:	124,100
h. Grand Total:	8,543,830

8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS CMPL
211-159	DEPOT CORROSION CONTROL STRIP FACILITY(WORKING CAPITAL FUND)	5,065 SM	12,380	TURN KEY	
721-312	DORMITORY	96 RM	5,800	TURN KEY	
		TOTAL:	18,180		

9a. Future Projects: Included in the Following Program (FY 2002)

217-742	COMBAT COMMUNICATIONS SQUADRON OPERATIONS COMPLEX	2,800 SM	8,700		
721-312	DORMITORY	144 RM	8,600		
		TOTAL:	17,300		

9b. Future Projects: Typical Planned Next Three Years:

141-764	ADD TO INTEGRATION SUPPORT FACILITY	2,726 SM	6,300		
141-764	SOFTWARE SUPPORT FACILITY	6,690 SM	12,600		
211-254	ALTER DEPOT PLATING SHOP	LS	9,600		
721-312	DORMITORY	144 RM	9,300		
721-312	DORMITORY	120 RM	7,500		

10. Mission or Major Functions: Oklahoma City Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance, repair and overhaul of B-1, B-2, B-52, KC-135, and E-3 aircraft and aircraft engines; an air base wing; an Air Combat Command Air Control Wing with four E-3 airborne air control squadrons supporting 24 E-3 aircraft; an AFRES wing with one KC-135 squadron, an ACC Communications Group; and an Engineering Installations Wing. A major tenant is the US Navy Strategic Command (TACAMO) Wing with E-6 aircraft.

11. Outstanding pollution and safety (OSHA) deficiencies:

a. Air pollution:	5,800,000
b. Water pollution:	3,124,000
c. Occupational safety and health:	0
d. Other Environmental:	0

12. Real Property Maintenance Backlog This Installation	59,288

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TINKER AIR FORCE BASE, OKLAHOMA	DEPOT CORROSION CONTROL STRIP FACILITY(WORKING CAPITAL FUND)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
7.28.96	211-159	WWYK983156	12,380

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
DEPOT CORROSION CONTROL STRIP FACILITY	SM	5,065	2,000	10,130
SUPPORTING FACILITIES				1,530
UTILITIES	LS			(680)
PAVEMENT	LS			(400)
SPECIAL FOUNDATION (DRILLED PIERS)	LS			(200)
SITE IMPROVEMENTS	LS			(250)
SUBTOTAL				11,660
TOTAL CONTRACT COST				11,660
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				665
TOTAL REQUEST				12,325
TOTAL REQUEST (ROUNDED)				12,380
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(11,400)

10. Description of Proposed Construction: One-bay structure with concrete slab on pier and grade beam, steel frame, masonry walls, roof, fire wall, fire suppression system, and all other necessary support. Air Conditioning: 35 KW.

11. REQUIREMENT: 29,622 SM ADEQUATE: 24,557 SM SUBSTANDARD: 3,885 SM
PROJECT: Construct a depot corrosion control strip facility. (Current Mission)
REQUIREMENT: An environmentally safe paint stripping facility is required to perform corrosion control for all presently assigned aircraft (B-1, B-52, KC-135, E-3 etc.). The facility must incorporate the most modern paint stripping technologies and reduce the use of volatile organic componds (VOCs) as stripping agents.
CURRENT SITUATION: Implementation of the Clean Air Act Amendment of 1990 and the National Emission Standards for Hazardous Air Pollutants (NESHAP) of 1998, requires significant reduction in VOC emissions from paint stripping. Plans are underway to reduce the VOC emissions with a new manual dry media blast technology. The existing facilities are not large enough to accommodate E-3 and B-52 aircraft utilizing the new dry blast system. Currently E-3 aircraft are stripped in an existing paint bay reducing the capacity needed to support painting of the assigned aircraft.
IMPACT IF NOT PROVIDED: A shortfall in depot aircraft strip capabilities will exist at Tinker AFB. Critical depot aircraft corrosion control will be deferred or contracted to an outside source at greater expense. The new strip technology must be incorporated into the corrosion control process to ensure compliance with the NESHAP and continue to meet customer needs.

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

TINKER AIR FORCE BASE, OKLAHOMA

4. PROJECT TITLE	5. PROJECT NUMBER
DEPOT CORROSION CONTROL STRIP FACILITY(WORKING CAPITAL FUND)	WWYK983156

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, contracting and status quo alternatives. Based on the net present values and benefits of respective alternatives, new construction was found to be the most cost efficient over the life of the project. The requirement for this project was validated by the Joint Service Depot Maintenance Industrial Military Construction Review on 20 May 98. Base Civil Engineer: Lt Col Mohsen Parhizkar, (405) 734-3451. Depot Corrosion Control Strip Facility: 5065SM = 54,500SF.

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

TINKER AIR FORCE BASE, OKLAHOMA

4. PROJECT TITLE	5. PROJECT NUMBER
DEPOT CORROSION CONTROL STRIP FACILITY(WORKING CAPITAL FUND)	WWYK983156

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1)	Project to be accomplished by design-build procedures	
(2)	Basis:	
(a)	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	N/A
(3)	Design Allowance	619
(3a)	Construction Contract Award Date	00 DEC
(4)	Construction Start	01 MAY
(5)	Construction Completion	02 NOV
(6)	Energy Study/Life-Cycle analysis was/will be performed	Y

b. Equipment associated with this project will be provided from other appropriations:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
INITIAL OUTFITTING EQUIPMENT	DMAG	FY2001	11400

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONST COST INDEX
HILL AIR FORCE BASE, UTAH	AIR FORCE MATERIEL COMMAND	1.05

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99	677	3826	9548				3489	4702	740	23,982
b. End FY 2005	664	3849	9833				3489	4702	740	24,277

7. INVENTORY DATA ($000)

a. Total Acreage: (6,973)	
b. Inventory Total As Of: (30 SEP 99)	1,939,032
c. Authorization Not Yet In Inventory:	0
d. Authorization Requested In This Program:	16,500
e. Authorization Included In Following Program: (FY 2002)	10,000
f. Planned In Next Three Program Years:	34,300
g. Remaining Deficiency:	0
h. Grand Total:	1,999,832

8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS CMPL
211-159	C-130 CORROSION CONTROL FACILITY(WORKING CAPITAL FUND)	6,900 SM	16,500	TURN KEY	
		TOTAL:	16,500		

9a. Future Projects: Included in the Following Program (FY 2002)

211-252	HYDRAULIC/PNEUDRAULIC REPAIR FACILITY	4,647 SM	10,000		
		TOTAL:	10,000		

9b. Future Projects: Typical Planned Next Three Years:

171-625	COMBAT LOGISTICS SUPPORT SQ TRAINING/STORAGE FACILITY	2,000 SM	3,600		
212-212	MISSILE DEPOT MAINTENANCE FACILITY	3,317 SM	9,000		
422-259	MISSILE STORAGE FACILITY	3,535 SM	12,200		
721-312	DORMITORY (144 RM)	144 RM	9,500		

10. Mission or Major Functions: Ogden Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance of tactical missiles, F-16 aircraft, Minuteman and Peacekeeper ICBMs; AN/FPS-117 radar, composite (including B-2 composites), power systems, and software workload; a test squadron with F-16, MH-60, and HC/NC-130 aircraft; an air base wing; an Air Combat Command fighter wing with three F-16 squadrons; and an Air Force Reserve fighter wing with one F-16 squadron.

11. Outstanding pollution and safety (OSHA) deficiencies:

a. Air pollution:	0
b. Water pollution:	1,100,000
c. Occupational safety and health:	0
d. Other Environmental:	6,000,000

12. Real Property Maintenance Backlog This Installation 8,903

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE, UTAH	C-130 CORROSION CONTROL FACILITY(WORKING CAPITAL FUND)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
7.28.96	211-159	KRSM993014	16,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
C-130 CORROSION CONTROL FACILITY	SM	6,900	2,000	13,800
SUPPORTING FACILITIES				1,750
UTILITIES	LS			(850)
PAVEMENTS	LS			(600)
SITE IMPROVEMENTS	LS			(300)
SUBTOTAL				15,550
TOTAL CONTRACT COST				15,550
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				886
TOTAL REQUEST				16,436
TOTAL REQUEST (ROUNDED)				16,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(6,120)

10. Description of Proposed Construction: Multi-bay structure with concrete floor slab, foundation, and structural steel frame, including aircraft access pavement, fire suppression system and all necessary support. Includes support equipment preparation and paint mixing room. Air Conditioning: 400 KW.

11. REQUIREMENT: 9,012 SM ADEQUATE: 2,112 SM SUBSTANDARD: 0
PROJECT: Construct a C-130 corrosion control facility. (Current Mission)
REQUIREMENT: An adequately sized, environmentally safe facility is required to perform depot-level corrosion control on C-130 aircraft. This facility must support the periodic depot maintenance (PDM) as well as the annual recurring drop-in C-130 aircraft requirements.
CURRENT SITUATION: C-130 aircraft corrosion control capacity at Hill AFB is inadequate to accommodate the current and projected work load. Hill AFB has been forced to contract out C-130 aircraft corrosion control work because the existing facility is used 3 shifts-per-day, 7 days a week. Contracting out work requires added preparation and transport time thus decreasing the time aircraft are available to support the C-130 mission. In FY97 with a workload of 48 PDM and 24 drop-in aircraft, eleven aircraft had to be contracted out for stripping and painting at an additional cost of $350,000. Projected work load will require a total of 35 aircraft to be contracted out at a cost of $1,225,000 per year. No residual capacity is available for scheduled maintenance of the facility or the associated corrosion control equipment.
IMPACT IF NOT PROVIDED: There will continue to be a shortfall in C-130 corrosion control capacity at Hill AFB. Corrosion control work will continue to be contracted out, cost for depot-level work will increase,

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

HILL AIR FORCE BASE, UTAH

4. PROJECT TITLE	5. PROJECT NUMBER
C-130 CORROSION CONTROL FACILITY(WORKING CAPITAL FUND)	KRSM993014

and additional time delays will occur in returning mission ready aircraft to flying status.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, outsourcing, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. The requirement for this project was validated by the Joint Service Depot Maintenance Industrial Military Construction Review on 20 May 98. Base Civil Engineer: Col Per Korslund , (801) 777-3071. C-130 Corrosion Control Facility: 6900SM = 74,244SF.

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

HILL AIR FORCE BASE, UTAH

4. PROJECT TITLE	5. PROJECT NUMBER
C-130 CORROSION CONTROL FACILITY(WORKING CAPITAL FUND)	KRSM993014

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1)	Project to be accomplished by design-build procedures	
(2)	Basis:	
	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
(3)	Design Allowance	825
(3a)	Construction Contract Award Date	00 DEC
(4)	Construction Start	01 JUL
(5)	Construction Completion	03 SEP
(6)	Energy Study/Life-Cycle analysis was/will be performed	Y

b. Equipment associated with this project will be provided from other appropriations:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
INITIAL OUTFITTING EQUIPMENT	DMAG	FY2001	6120